

# **Oil Sample Analysis Report**

**US EPA Region 5**

**Case / Activity Number E21510**

**Marine Safety Laboratory**

**Case Number 21-043**



U.S. Department of  
Homeland Security

United States  
Coast Guard




Manager  
U.S. Coast Guard  
Marine Safety Laboratory

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16450  
28 Jun 2021

## MEMORANDUM

  
From: K. Echols  
CG MSL

To:

Subj: OIL SAMPLE ANALYSIS REPORT, MSL CASE NUMBER 21-043  
UNIT CASE / ACTIVITY NUMBER E21510

1. The laboratory analysis of this case has been completed and our report is forwarded. The technical data supporting the report (spectrograms and chromatograms) have been archived at our facility and are available upon request. We will maintain the oil samples in refrigerated storage pending final case disposition.
2. Questions concerning this report or the analytical methods used should be directed to the Supervisor of Analysis, Kristy Echols.

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Enclosure: (1) MSL Report 21-043

**United States Coast Guard  
Marine Safety Laboratory  
Oil Sample Analysis Report  
21-043**

**Requestor:** US EPA Region 5

**Unit Case/Activity Number:** E21510

**Received:** 24-Jun-21

**Via:** Federal Express 7740 7960 2298

**Number Of Samples:** 2

**Lab ID for Spills:** 1 and 2

**Lab ID for Sources:** n/a

**Lab ID for Background:** n/a

**Analysis Methods:**

- ☒ GAS CHROMATOGRAPHY (GC)
- ☒ GAS CHROMATOGRAPHY-MASS SPECTROMETRY (GC-MS)
- ☐ INFRARED SPECTROSCOPY (IR)

**Laboratory's Conclusion (as explained below): OTHER**

**RESULTS:**

1. Samples 21-043-1 and 2 were specified to be representative of spilled oil. Analysis indicates these samples are similar to each other and contain lubricating oil. Non-petroleum contamination is present in both samples. Differences between samples 21-043-1 and 2 are attributable to non-petroleum contamination.

**CONCLUSIONS:**

1. Samples 21-043-1 and 2 represent different portions of the same spilled oil.

**SUPERVISOR OF ANALYSIS**

K. ECHOLS



**DATE** 28-Jun-21

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**United States Coast Guard  
Marine Safety Laboratory**

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**Oil Spill Identification Analysis  
Cost Recovery Documentation**

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**Laboratory Case Number:** 21-043  
**Requestor:** US EPA Region 5  
**Unit Case/Activity Number:** E21510  
**Number of Samples:** 4  
**Cost Per Sample Prepared:** \$20.00  
**Total Costs of Sample Preparation:** \$80.00  
**Number of Analyses:** 10  
**Cost Per Sample Analyzed:** \$86.00  
**Total Costs for Analysis:** \$860.00  
**TOTAL COSTS:** \$940.00

This documentation is provided for purposes of Phase IV - Documentation and  
Cost Recovery under the National Oil and Hazardous Substances Pollution  
Contingency Plan (40 CFR Part 300)

**Signature:**



**Date:** 28 Jun 21

**United States Coast Guard  
Marine Safety Laboratory Sample  
Check-In Log**

**MSL Case/Activity Number: 21-043**

**Requestor:** US EPA Region 5

**Unit Case Number:** E21510

**Federal Project Number:** E21510

**Delivery Method:** Federal Express

**Received Date:** 24 Jun 21

**Delivery Number:** 7740 7960 2298

**Priority:** Yes

**Rush:** No

**Comparison:** No

Lab ID 21-043	Sample Descriptions from Sample Jars		Spill	Source
1	1	SAMPLE 1 6/16/21 8:28	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	2	SAMPLE 2 6/16/21 8:36	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3			<input type="checkbox"/>	<input type="checkbox"/>
4			<input type="checkbox"/>	<input type="checkbox"/>
5			<input type="checkbox"/>	<input type="checkbox"/>
6			<input type="checkbox"/>	<input type="checkbox"/>
7			<input type="checkbox"/>	<input type="checkbox"/>
8			<input type="checkbox"/>	<input type="checkbox"/>
9			<input type="checkbox"/>	<input type="checkbox"/>
10			<input type="checkbox"/>	<input type="checkbox"/>

**Remarks:**

**Samples checked in by:** MST3 DUSTIN SKVASIK

**Date:** 24 Jun 21

**Sample Custodian:** MST2 TRISTAN MCMORRAN

**Date:** 28 Jun 21

**Supervisor of Analysis:** K. ECHOLS

**Date:** 28 Jun 21